

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A coin sorting apparatus comprising:

a coin sorting member configured to sort coins according to the size of the coins;

a guide configured to transfer the coins sorted by the coin sorting member to a predetermined location;

a first sensor formed on the guide and configured to count the number of the coins being sorted;

a plurality of coin receiving ~~tube tubes~~ disposed on an end portion of the guide and configured to receive the coins transferred from the guide according to the size of the coins;

a plurality of receiving ~~container containers~~ configured to receive the plurality of coin receiving ~~tube tubes~~, each of the plurality of receiving ~~container containers~~ being provided at a lower side with a ~~second sensing hole for detecting the location of the receiving container~~ and a sliding projection and wherein each of the plurality of receiving containers includes a plurality of coin receiving tube of the same size;

a sliding member provided with a plurality of sliding ~~groove grooves~~ engaged with the sliding projection so that the plurality of receiving ~~container containers~~ can be individually inserted and withdrawn;

a second sensor ~~spaced apart by a predetermined distance from the second sensing hole and aligned with the second sensing hole to be in line;~~ and including two sensor elements arranged on opposed sides of the sliding member to transmit signals to each other to detect a state variation and configured to detect if the coin receiving tubes are positioned on a first location and a second location for appropriately receiving the coins by sensing a displacement of the receiving container; and

a microcomputer configured to control the coin sorting apparatus in accordance with signals from the first and second sensor.

2. (Previously Presented) The coin sorting apparatus of claim 1, further comprising a speaker configured to make a predetermined sound according to an operation state of the coin sorting member.

3. (Previously Presented) The coin sorting apparatus of claim 1, further comprising a control/display part configured to control and display an operation state of the coin sorting member.

4. (Previously Presented) The coin sorting apparatus of claim 1, wherein the sensor is formed of an optical sensor.

5. (Previously Presented) The coin sorting apparatus of claim 1, wherein the coin sorting member comprises a motor, a rotational shaft driven by the motor, a carrier

container coupled on the rotational shaft and provided with carrier holes through which the coins are carried one by one, and a separation member provided with a plurality of separation holes having different sizes, the separation holes being formed corresponding to the carrier holes to separate the coins according to size.

6. (Original) The coin sorting apparatus of claim 1, wherein the sliding projection comprises an extending portion extending downward from the receiving container, upper and lower plates disposed around the extending portion, and an elastic member disposed around the extending portion between the upper and lower plates to bias the upper plate upward to create friction force between the sliding member and the upper plate.

7. (Previously Presented) The coin sorting apparatus of claim 1, wherein the microcomputer controls the coin sorting apparatus such that the number or amount of coins being received in the coin receiving tube in the course of the operation of the coin sorting member and the number or amount of coins received in the coin receiving tube when the operation of the coin sorting member is stopped can be distinguishably displayed.

8. (Previously Presented) The coin sorting apparatus of claim 1, wherein the first sensor is formed to be offset from a center of the guide.

9. (Currently amended) A coin sorting apparatus comprising:

a coin sorting member configured to sort coins according to the size of the coins;

a plurality of guides configured to transfer the coins sorted by the coin sorting member to a predetermined location;

a first sensor formed on each of the guides, configured to count the number of the coins being sorted;

a plurality of coin receiving tube tubes disposed on an end portion of each of the guides, ~~the tubes being~~ configured to receive the coins transferred from the guides;

a plurality of receiving containers configured to receive the plurality of coin receiving tubes, each of the plurality of the receiving containers being provided at a lower side with a sliding projection and wherein each of the plurality of receiving containers includes a plurality of coin receiving tubes of the same size;

a sliding member provided with a plurality of sliding grooves engaged with the sliding projection so that the receiving containers can be inserted and withdrawn, ~~said grooves being formed on the same horizontal plane; and~~;

a microcomputer configured to control the coin sorting apparatus in accordance with a signal from the first ~~sensor~~, sensor; and

wherein the plurality of sliding grooves are formed on the same horizontal plane.

10. (Previously Presented) The coin sorting apparatus of claim 9 further comprising a speaker configured to make a predetermined sound according to an operation state of the coin sorting member.

11. (Previously Presented) The coin sorting apparatus of claim 9 further comprising a control/display part configured to control and display an operation state of the coin sorting member.

12. (Previously Presented) The coin sorting apparatus of claim 9, wherein the sensor is formed of an optical sensor.

13. (Previously Presented) The coin sorting apparatus of claim 9, wherein the coin sorting member comprises a motor, a rotational shaft driven by the motor, a carrier container coupled on the rotational shaft and provided with carrier holes through which the coins are carried one by one, and a separation member provided with a plurality of separation holes having different sizes, the separation holes being formed corresponding to the carrier holes to separate the coins according to size.

14. (Currently Amended) A coin sorting apparatus comprising:
a coin sorting member configured to sort coins according to the size of the coins;
a plurality of guides ~~for transferring~~ configured to transfer the coins sorted by the coin sorting member to a predetermined location;
a first sensor formed on each of the guides, configured to count ~~for counting~~ the number of the coins being sorted;
a plurality of coin receiving ~~tube tubes~~ disposed on an end portion of each of the guides, configured to receive ~~for receiving~~ the coins transferred from the guides;

a plurality of receiving containers ~~for receiving~~ configured to receive the plurality of coin receiving tubes, each of the plurality of the receiving containers being provided at a lower side with a sliding projection, each said sliding projection [[and]] comprising an extending portion extending ~~downward~~ downwardly from the receiving container, upper and lower plates disposed around the extending portion, and an elastic member disposed around the extending portion between the upper and lower plates to bias the upper plate ~~upward~~ upwardly to create friction force between the sliding member and the upper plate;

a sliding member provided with a sliding groove engaged with the sliding projection so that the receiving container can be inserted and withdrawn; and

a microcomputer for controlling the coin sorting apparatus in accordance with a signal from the first sensing means.

15. (Previously Presented) The coin sorting apparatus of claim 9, wherein the microcomputer controls the coin sorting apparatus such that the number or amount of coins being received in the coin receiving tube in the course of the operation of the coin sorting member and the number or amount of coins received in the coin receiving tube when the operation of the coin sorting member is stopped can be displayed.

16. (Previously Presented) The coin sorting apparatus of claim 9, wherein the first sensor is formed to be offset from a center of the guide.

17. (Currently amended) A coin sorting apparatus comprising:

a coin sorting member configured to sort coins according to the size of the coins;

a guide configured to transfer the coins sorted by the coin sorting member to a predetermined location;

a plurality of coin receiving tube tubes disposed on an end portion of the guide and configured to receive the coins transferred from the guide;

a plurality of receiving container containers configured to receive the plurality of coin receiving tube, tubes, each of the plurality of the receiving container containers being provided at a lower side with a second sensing hole for detecting a location of the coin receiving tube and a sliding projection; sliding projection and wherein each of the plurality of receiving containers includes a plurality of coin receiving tubes of the same size;

a sliding member provided with a plurality of sliding groove grooves engaged with the sliding projection so that the plurality of receiving container containers can be individually inserted and withdrawn;

a second sensor spaced apart by a predetermined distance from the second sensing hole and aligned with the second sensing hole to be in line for detecting if a coin receiving tube is positioned on a location for appropriately receiving the coins including two sensor elements arranged on opposed sides of the sliding member to transmit signals to each other to detect a state variation and configured to detect if the coin receiving tubes are positioned on a first location and a second location for appropriately receiving the coins by sensing a displacement of the receiving container; and

a microcomputer configured to control the coin sorting apparatus in accordance with signals from the second sensor.

18. (Currently Amended) The coin sorting apparatus of claim 17, wherein the second sensor is an optical sensor.

19. (Previously Presented) The coin sorting apparatus of claim 17, wherein the coin sorting member comprises a motor, a rotational shaft driven by the motor, a carrier container coupled on the rotational shaft and provided with carrier holes through which the coins are carried one by one, and a separation member provided with a plurality of separation holes having different sizes, the separation holes being formed corresponding to the carrier holes to separate the coins according to size.

20. (Original) The coin sorting apparatus of claim 17, wherein the sliding projection comprises an extending portion extending downward from the receiving container, upper and lower plates disposed around the extending portion, and an elastic member disposed around the extending portion between the upper and lower plates to bias the upper plate upward to create friction force between the sliding member and the upper plate.

21. (Currently amended) A coin sorting apparatus comprising:

a coin sorting member configured to sort coins according to the size of the coins;

a guide configured to transfer the coins sorted by the coin sorting member to a predetermined location;

a coin receiving tube configured to receive the coins transferred from the guide;

a receiving container configured to receive the coin receiving tube;

a sliding member provided with a sliding groove engaged with the receiving container so that the receiving container can be inserted and withdrawn;

~~a second sensor configured to detect if the coin receiving tube is positioned on a first location and~~ including two sensor elements arranged on opposed sides of the sliding member to transmit signals to each other to detect a state variation and configured to detect if the coin receiving tube is positioned on a first location and a second location for appropriately receiving the coins by sensing a displacement of the receiving container; and

a microcomputer configured to control the coin sorting apparatus in accordance with a signal from the second sensor.

22. (Previously Presented) The coin sorting apparatus of claim 21, further comprising:

a first sensor configured to count the number of the coins being sorted; and

a display device configured to display the number of sorted coins in accordance with a signal detected by the first sensor.

23. (Currently amended) A coin sorting apparatus comprising:

a coin sorting member configured to sort coins according to the size of the coins;

a guide configured to transfer the coins sorted by the coin sorting member to a predetermined location;

a coin receiving tube configured to receive the coins transferred from the guide;

a receiving container configured to receive the coin receiving tube;

a sliding member provided with a sliding groove engaged with the receiving container so that the receiving container can be inserted and withdrawn;

a first sensor configured to count the number of coins being sorted according to the size of the coins;

~~a second sensor configured to detect if a coin receiving tube is positioned on a location for appropriately receiving the coins by sensing a displacement of a receiving container for receiving the coin receiving tube; including two sensor elements arranged on opposed sides of the sliding member to transmit signals to each other to detect a state variation and configured to detect if the coin receiving tube is positioned on a first location, a second location and third location for appropriately receiving the coins by sensing a displacement of the receiving container;~~

a microcomputer configured to control the coin sorting apparatus in accordance with signals from the first and second sensor; ~~and~~

~~a coin sorting member configured to sort coins according to size of the coins controlled by the microcomputer;~~

wherein if the coin receiving tube is positioned on [[a]] the first location and [[a]] the second location, the microcomputer controls the coin sorting member to sort coins;

wherein if the coin receiving tube is positioned on the third location, the microcomputer controls the coin sorting member to stop sorting coins, and

wherein when the receiving container moves on the sliding member, the coin receiving tube is positioned on the first location, the second location and the third location.

24. (Previously Presented) The coin sorting apparatus of claim 23, further comprising a speaker configured to make a predetermined sound when it is determined by the first sensor that a predetermined number of the coins are sorted or the operation of the coin sorting member is stopped.

25. (Previously Presented) The coin sorting apparatus of claim 23, further comprising a control/display part configured to control and display an operation state of the coin sorting member.

26. (Previously Presented) The coin sorting apparatus of claim 23, further comprising:

a user interface configured to allow a user to control the coin sorting apparatus and display an operation state of the coin sorting apparatus.

27. (Original) The coin sorting apparatus of claim 26, wherein the user interface comprises a plurality of control buttons and a display part.

28. (Original) The coin sorting apparatus of claim 26, wherein the microcomputer controls the coin sorting apparatus such that amounts of the coins sorted by the size or a total amount of the sorted coins can be displayed.

29. (Original) The coin sorting apparatus of claim 26, wherein the microcomputer controls the coin sorting apparatus such that the number of coins sorted by size can be displayed within a predetermined range.

30. (Previously Presented) The coin sorting apparatus of claim 26, wherein the microcomputer controls the coin sorting apparatus such that the number of coins being received in the coin receiving tube in the course of the operation of the coin sorting member and the number of coins received in the coin receiving tube when the operation of the coin sorting member is stopped can be distinguishably displayed.

31.-33. Cancelled.

34. (New) A coins sorting apparatus comprising:

a coin sorting member configured to sort coins according to size of the coins;

a guide configured to transfer the coins sorted by the coin sorting member to a predetermined location;

a plurality of coin receiving tubes configured to receive the coins transferred from the guide;

a plurality of receiving containers configured to receive the plurality of coin receiving tubes, each of the plurality of receiving containers being provided at a lower side with a sliding projection, wherein each of the plurality of receiving containers receives a plurality of coin receiving tubes of the same size; and

a sliding member disposed below the plurality of receiving contains and provided with a plurality of sliding grooves engaged with the sliding projection so that the plurality of receiving containers can be individually inserted and withdrawn.

35. (New) The coin sorting apparatus of claim 34, wherein the plurality of coin receiving tubes include a first, a second, and a third coin receiving tube designed in an identical size to receive an identical size of coin, and wherein the first, second, and third coin receiving tubes are received in a single receiving container.

36. (New) The coin sorting apparatus of claim 35, wherein the first coin receiving tube and the second coin receiving tube are located on a first horizontal plan and the third coin receiving tube is located on a second horizontal plane, and
wherein the second horizontal plane is lower than the first horizontal plane.